

What is claimed is:

1. A bass loudspeaker apparatus for a multiway loudspeaker system, comprising:
  - a cabinet having an inner space and a sound emission opening in a front section;
  - a corn-type woofer disposed within the cabinet;
  - a baffle plate having a woofer mounting section and vertically disposed in the inner space so as to face the sound emission opening;
  - a resonant chamber defined in front of the baffle plate for communicating with the sound emission opening;
  - the resonant chamber and the sound emission opening being respectively designed such that resonance occurs between an air mass around the periphery of the sound emission opening and an air spring within the resonant chamber at a predetermined frequency range of 150 through 400 Hz, and
  - the bass loudspeaker apparatus being connected to a dividing network for canceling out the intension of sound pressure produced by the resonance at the frequency range of the resonance.
2. The bass loudspeaker apparatus of claim 1, wherein the depth of the resonant chamber is between 10 and 40 cm.
3. The bass loudspeaker apparatus of claim 1, wherein the corn-type woofer is slanted in the cabinet facing the forward direction so as to attenuate unnecessary mid-high range in emitted sounds of the corn-type woofer by acoustic interference in the resonant chamber.
4. The bass loudspeaker apparatus of claim 1, wherein the baffle plate disposed within the inner space of the cabinet includes a plurality of corn-type woofers.
5. The bass loudspeaker apparatus of claim 1, further including a Helmholtz resonator which is disposed in an inner wall of the resonant chamber as an acoustical material for attenuating unnecessary specific bandwidth.
6. A multiway loudspeaker system, comprising:
  - a bass loudspeaker apparatus of claim 1;
  - a horn-type midbass loudspeaker apparatus including: a horn having approximately

the same length as the depth of the resonant chamber in the bass loudspeaker apparatus; and a corn-type unit as a driver mounted so as to correspond the position of its sound source with that of the bass loudspeaker apparatus in a longitudinal direction; and

a dividing network for allowing both of the loudspeaker apparatuses to cross over at the range of 150 through 400 Hz and canceling out the intension of sound pressure by the resonance in the resonant chamber of the bass loudspeaker apparatus at the frequency range of the resonance.